

Skills or Knowledge	Honors (In addition to "A" work on project requirements) 5.0	A 4.0	B 3.0	C 2.0	I 1.0	I 0
<b>Essential Skill #4:</b> Model physical situations with functions	<b>Original artwork contains...</b> <input type="checkbox"/> All FIVE functions studied are identified and analyzed (table, graph,, etc) <input type="checkbox"/> Table has accurate data based upon actual artwork <input type="checkbox"/> Graph is correctly identified in artwork. <input type="checkbox"/> Successfully analyzes table or graph to determine the family of functions. <input type="checkbox"/> Domain, range, and other key points are completely and correctly identified.	<input type="checkbox"/> All FIVE functions studied are identified and analyzed (table, graph, etc) <input type="checkbox"/> Table has accurate data based upon actual artwork <input type="checkbox"/> Graph is correctly identified in artwork. <input type="checkbox"/> Successfully analyzes table or graph to determine the family of functions. <input type="checkbox"/> Domain, range, and other key points are completely and correctly identified.	<input type="checkbox"/> All FIVE functions studied are identified and analyzed (table, graph, etc) <input type="checkbox"/> Table has accurate data with minor errors, based upon actual artwork <input type="checkbox"/> Graph is correctly identified in artwork with minor errors. <input type="checkbox"/> Successfully analyzes table or graph with minor error to determine the family of functions. <input type="checkbox"/> Domain, range, and other key points are identified with minor error.	<input type="checkbox"/> At least FOUR functions studied are identified and analyzed (table, graph, etc) <input type="checkbox"/> Table has mostly accurate data based upon actual artwork <input type="checkbox"/> Graph is identified in artwork with some error. <input type="checkbox"/> Analyzes table or graph with some error to determine the family of functions. <input type="checkbox"/> Domain, range, and other key points are identified with some error. A few key points may be missing.	<input type="checkbox"/> Some functions are missing. <input type="checkbox"/> Table has inaccurate data, is missing, or not based upon actual artwork <input type="checkbox"/> Graph is incorrectly identified or not identified at all in artwork. <input type="checkbox"/> Does not analyze table or graph to determine the family of functions. <input type="checkbox"/> Domain, range, and other key points are incorrect or missing.	Insufficient Evidence
<b>Essential Skill #4:</b> Transform a graph by stretching, compressions, shifting, and flipping & Write a general equations for a family of functions	<b>(For all FIVE functions) Original artwork contains...</b> <input type="checkbox"/> "a" value is discovered using clear, appropriate algebraic methods. <input type="checkbox"/> Final Rule/Equation for each function is accurate with minimal error. <input type="checkbox"/> (h,k) is thoroughly and successfully discussed in relation to both the function and the artwork.	<input type="checkbox"/> All FIVE functions studied are analyzed (equation, etc) <input type="checkbox"/> "a" value is discovered using clear, appropriate algebraic methods. <input type="checkbox"/> Final Rule/Equation for each function is accurate.. <input type="checkbox"/> (h,k) is thoroughly and successfully discussed in relation to both the function and the artwork.	<input type="checkbox"/> All FIVE functions studied are analyzed (equation, etc) <input type="checkbox"/> "a" value is discovered using appropriate algebraic methods with minor error. <input type="checkbox"/> Final Rule/Equation for each function is accurate with minimal error. <input type="checkbox"/> (h,k) is successfully discussed in relation to both the function and the artwork.	<input type="checkbox"/> At least FOUR functions studied are analyzed (equation, etc) <input type="checkbox"/> "a" value is discovered using appropriate algebraic methods with some error. <input type="checkbox"/> Final Rule/Equation for each function is accurate with some error. <input type="checkbox"/> (h,k) is discussed in relation to the function. May contain some minor errors.	<input type="checkbox"/> Some functions are missing. <input type="checkbox"/> "a" value is discovered with significant error or not at all. <input type="checkbox"/> Final Rule/Equation for each function are missing or with significant error. <input type="checkbox"/> (h,k) is not discussed or with significant error.	Insufficient Evidence
<b>21<sup>st</sup> Century Skills:</b> Academic Language	All pieces of art are correctly cited in Works Cited (MLA format).	All pieces of art are correctly cited in Works Cited (MLA format).	All pieces of art are cited with minor error in Works Cited (MLA format).	All pieces of art are cited with some error in Works Cited (MLA format).	Not all pieces of art are cited.	Insufficient evidence
<b>Habits of Mind:</b> Quality	Original artwork successfully integrates five parent graphs into a beautiful, meaningful piece of art. Mathematics is done clearly and easy to follow. Presentation is creative and it is clear that significant effort was put into the project.	Mathematics is done clearly, in detail and is easy to follow. Functions are clearly identified in graph. Presentation is creative and correlates to the theme of math & art. It is clear that significant effort was put into the project.	Mathematics is done clearly, in detail and is relatively easy to follow. Functions are clearly identified in graph. Presentation is creative. It is clear that much effort was put into the project.	Mathematics is done somewhat clearly and in detail. Functions are identified in graph. Presentation is somewhat creative. It is clear that some effort was put into the project.	Mathematics is difficult to follow. Functions in the graph are unclear. Presentation does not demonstrate much effort was put into the project.	Insufficient Evidence
<b>Habits of Mind:</b> Collaboration (Graded on an individual basis)	Impress me.	Deliverable demonstrates much effort from all group members. Each group member has contributed an equal and significant portion to the final deliverable. Group members indicate that the group worked well together, cooperating, sharing responsibilities, and communicating effectively. Worked well through setbacks.	Deliverable demonstrates effort from all group members. Each group member has contributed an equal portion to the final deliverable. Group members indicate that the group worked relatively well together, cooperating, sharing responsibilities, and communicating. Setbacks may have impeded final deliverable.	Deliverable demonstrates some effort from all group members. Each group member has contributed to the final deliverable. Group members indicate that the group sometimes worked well together, shared responsibilities, and communicating effectively. Setbacks may have impeded final deliverable.	Deliverable demonstrates little effort from all group members. Each group member did not contribute to the final deliverable. Group members indicate that the group did not work well together, share responsibilities, nor communicate effectively. Setbacks impeded final deliverable.	Insufficient Evidence.